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4. Perodua K3VE-M Automotive Trainer – Myvi A4
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2. GOTT Series (CBT) - Telecommunication S4
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5. GOTT Series (CBT) - Communication Networks S7
6. GOTT Series (CBT) - Digital Communication S8
7. GOTT Series (CBT) - Advance Electrical And Electronic S9
8. GOTT Series (CBT) - Basic Electrical And Electronic S10-S11
9. GOTT Series (CBT) - PLC Training System S12-S13
10. GOTT Series (CBT) - Electrical Troubleshooting Techniques S14-S15
11. GOTT Series (CBT) - Basic Automotive Technology S16-S19
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AUTOMOTIVE SENSOR EDUCATIONAL SYSTEM

Model Number : GOTT-ASES-1

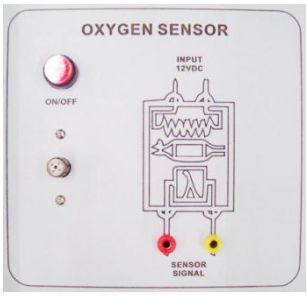
DESCRIPTION

Trainer equipment with autotronics digital and analogue sensor kit and training manual including training for personal.

The trainer consist:

Oxygen sensor, knock sensor, water temperature sensor, intake air temperature sensor, reverse sensor, and photo sensor system.

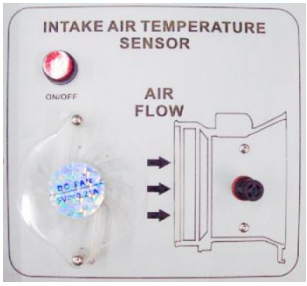
OXYGEN SENSOR



KNOCK SENSOR

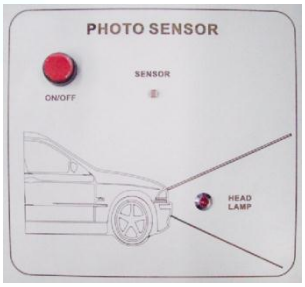
WATER TEMPERATURE SENSOR

INTAKE AIR TEMPERATURE SENSOR



REVERSE SENSOR

PHOTO SENSOR



Manuals :

(1) All manuals are written in English
(2) Theory Manual
(3) Experiment Manual

General Terms :

(1) Accessories will be provided where applicable.
(2) Manual & Training will be provided where applicable.
(3) Design & specifications are subject to change without notice.
(4) We reserve the right to discontinue the manufacturing of any product.

Warranty :

2 Years

ORDERING INFORMATION :

ITEM	MODEL NUMBER	CODE
AUTOMOTIVE SENSOR EDUCATIONAL SYSTEM	GOTT-ASES-1	426-630

* Proposed design only, subject to changes without any notice.

AUTOMOTIVE AIR CONDITIONING TRAINER

Model Number : GOTT-ACT-2

DESCRIPTION

This Automotive Air Conditioning Trainer is not only demonstrating all the principles of a compressor cycle but it also simulates all the difficulties of integrating the equipment into vehicles.

It is equivalent to that used for air conditioning of civil buildings. It is also adapted to a very hot environment which is subjected to rapid movements, vibrations and equipped with a variable output source of mechanical energy.

FEATURES

This trainer is designed for an easy use in different environment & is provided with:

- Industrial components & instruments, which are properly connected & operating, easily accessible & visible
- Large color silk screen printed synoptic panel with signaling lamps & switches
- Variable speed motor to simulate the car motor in different operating conditions
- Pulley-activated open compressor
- Multiple-speed fan, to send the cold air to the room through refrigeration openings
- Complete set of instruments for troubleshooting & data collection operations
- Safety devices: Fault current circuit breaker and standard plant protections

TRAINING PROGRAM

Practical applications of procedures for:

- Gas recovery
- Evacuating & cleaning the system
- Gas loading & testing the circuit for leaks
- Starting the system & checking the safety devices

Compressor opening, exam & mounting Searching for:

- Faults on the circuit or its main components
- Faults caused by a faulty charge, to a plant unbalancing or to excessive heat load
- Experiments on the variations on the cycle at the motor

Calculation of:

- Exchange coefficients of the evaporator and the condenser
- Heat balances
- C.O.P. and E.E.R

These calculations can be repeated indefinitely, changing the following parameters:

- Refrigerant flow
- Motor speed
- Air flow to the condenser and/or evaporator

TECHNICAL SPECIFICATIONS

- Fault current circuit breaker to trip the mains if the leakage occurs
- Emergency stop to prevent the system to stop function if the system malfunction
- Color synoptic diagram, provided with signaling lamps, mounted on painted and baked steel structure
- Open compressor, range 700 W to 2.5 kW
- Pulley transmission
- Forced air variable flow condenser
- Multiple-speed forced air evaporator
- Variable speed, three-phase electrical motor
- Vibration-proof devices on all pipes connected to the motor
- High low pressure switch for safety purpose
- Adjustable hand valve
- Digital thermometers
- Pressure gauges
- Floating flow meter
- Electronic instrument for electrical parameters measurement

OPTIONAL ITEM

Fault simulator with keyboard and microprocessor. It enables the lecturer to insert faults and to check the troubleshooting procedures chosen by the student.

Manuals :

(1) All manuals are written in English.
(2) Model Answer
(3) Teaching Manuals

General Terms :

(1) Accessories will be provided where applicable.
(2) Manual & Training will be provided where applicable.
(3) Design & specifications are subject to change without notice.
(4) We reserve the right to discontinue the manufacturing of any product.

Warranty :

2 Years

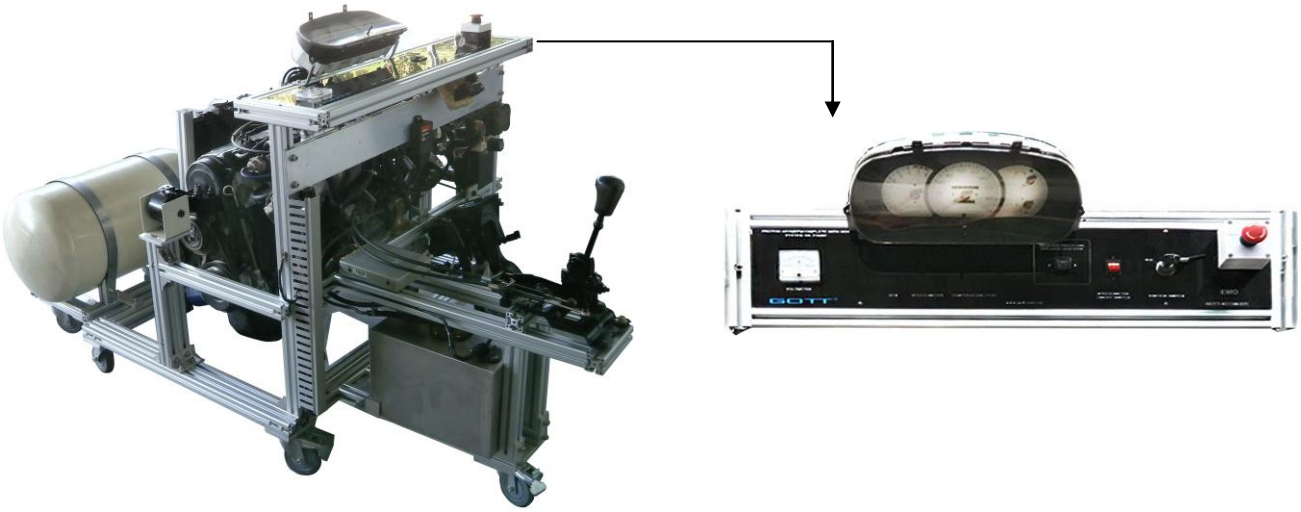
ORDERING INFORMATION :

ITEM	MODEL NUMBER	CODE
AUTOMOTIVE AIR CONDITIONING TRAINER	GOTT-ACT-2	955-732

*Proposed design only, subject to changes without any notice.

PROTON 4G-15 AUTOMOTIVE TRAINER

Model Number : GOTT-4G15M-EFI



GENERAL SPECIFICATIONS

ENGINE

- Engine Model : 4G-15
- Brand : Proton
- Cylinder Capacity : 1468cc.
- 4 cylinder 4 stroke engine with water cooling system
- Electronic fuel Injection system
- Transmission : Manual

ELECTRICAL SYSTEM

- Battery: 12V 50Ah
- Charging System: Alternator with IC-Regulator
- Ignition switch, relay and fuse box.
- Electric fan and thermo switch.

FUEL SYSTEM

- Fuel Tank: Capacity 10 liters max.
- Complete with float and fuel pump
- Fuel filter

INSTRUMENT PANEL

- RPM gauge
- Voltmeter
- Fuel guage
- Oil pressure indicator light

ENGINE STAND

- Structures : aluminium profiles 40x40 mm
- Complete with lockable castors, 5 inches diameter
- Painted with colors

ACCESSORIES

- Engine vibration absorber rubbers
- Exhaust pipe with muffler system

OTHER

- Experimental manual 2 copies

OPTIONAL ITEM

Natural Gas Vehicle (NGV)

Manuals :
(1) All manuals are written in English
(2) Model Answer
(3) Teaching Manuals

General Terms :
(1) Accessories will be provided where applicable
(2) Manual & Training will be provided where applicable
(3) Design & specifications are subject to change without notice
(4) We reserve the right to discontinue the manufacturing of any product

Warranty :
2 years

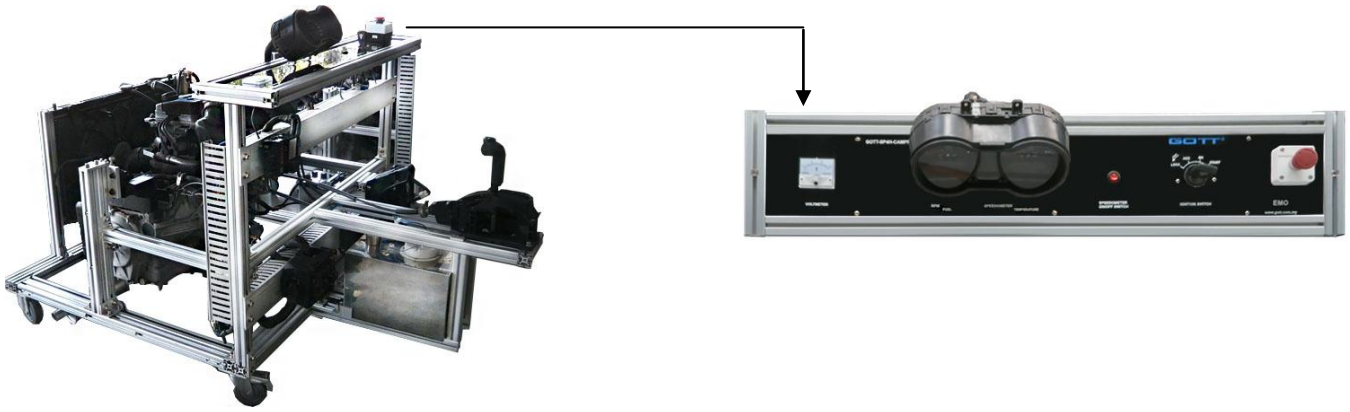
ORDERING INFORMATION :

ITEM	MODEL NUMBER	CODE
PROTON 4G-15 AUTOMOTIVE TRAINER	GOTT-4G15M-EFI	955-729
NATURAL GAS VEHICLE (NGV)	GOTT-NGV-955	955-732

*Proposed design only, subject to changes without any notice.

PERODUA K3VE-M AUTOMOTIVE TRAINER-Myvi

Model Number : GOTT-K3VE-M



GENERAL SPECIFICATIONS

ENGINE

- Engine Model : K3VE-M
- Brand : Perodua
- Cylinder Capacity : 1298cc.
- 4 cylinder 4 stroke engine with water cooling system
- Electronic fuel Injection system
- Transmission : Manual

ELECTRICAL SYSTEM

- Battery : 12V 50Ah
- Charging System : Alternator with IC-Regulator
- Ignition switch, relay and fuse box.
- Electric fan and thermo switch.

FUEL SYSTEM

- Fuel Tank : Capacity 10 liters max.
- Complete with float and fuel pump
- Fuel filter

INSTRUMENT PANEL

- RPM gauge
- Voltmeter
- Fuel gauge
- Oil pressure indicator light

ENGINE STAND

- Structures : aluminium profiles 40x40 mm
- Complete with 4 lockable castors, 5 inches diameter

ACCESSORIES

- Engine vibration absorber rubbers.
- Exhaust pipe with muffler system.

OTHER

- Services manual 1 copy

Manuals :
(1) All manuals are written in English
(2) Model Answer
(3) Teaching Manuals

General Terms :
(1) Accessories will be provided where applicable
(2) Manual & Training will be provided where applicable
(3) Design & specifications are subject to change without notice
(4) We reserve the right to discontinue the manufacturing of any product

Warranty :
2 years

ORDERING INFORMATION :

ITEM	MODEL NUMBER	CODE
PERODUA K3VE-M AUTOMOTIVE TRAINNER-Myvi	GOTT-K3VE-M	955-728

*Proposed design only, subject to changes without any notice.

PROTON S4PH AUTOMOTIVE TRAINER

Model Number : GOTT-S4PH-Campro

GENERAL SPECIFICATIONS

Complete engine with all system working, original EMS wiring harness with ECU immobilizer, ignition switch & key.MAP Sensor, intake air temperature Sensor, Throttle body, Cam Position Sensor, Crank angle sensor, Purge Control, Lambda Sensor injection, Coolant Temperature Sensor, Fuel Pressure Regulator. Ignition Coil, fuel pump, Accelerator Pedal, Air filter, stater Motor, Alternator, Meter, Relay and Fuses.

ENGINE

- Engine Model : S4PH
- Brand : Proton
- Cylinder Capacity : 1597cc
- 4 cylinder 4 stroke engine with water cooling system.
- Multi-Point Fuel injection system.

ELECTRICAL SYSTEM

- Battery : 12V 50Ah
- Charging System : Alternator with IC-Regulator
- Ignition switch, relay and fuse box.
- Electric fan and thermo switch.

FUEL SYSTEM

- Fuel Tank : Capacity 10 liters max.
- Complete with float and fuel pump
- Fuel filter

INSTRUMENT PANEL

- RPM gauge
- Voltmeter
- Fuel guage
- Oil pressure indicator light

ENGINE STAND

- Structures : Aluminium profiles 40x40 mm
- Complete with 4 lockable castors, 5 inches diameter

ACCESSORIES

- Engine vibration absorber rubbers.
- Exhaust pipe with muffler system.

OTHER COPIES

- Campro Service Manual 1 x copy

Manuals :
(1) All manuals are written in English
(2) Model Answer
(3) Teaching Manuals

General Terms :
(1) Accessories will be provided where applicable.
(2) Manual & Training will be provided where applicable.
(3) Design & specifications are subject to change without notice.
(4) We reserve the right to discontinue the manufacturing of any product.

Warranty :
2 years

ORDERING INFORMATION :

ITEM	MODEL NUMBER	CODE
PROTON S4PH AUTOMOTIVE TRAINER	GOTT-S4PH-Campro	955-726

*Proposed design only, subject to changes without any notice.

AUTO TRANSMISSION GEAR BOX WITH STAND

Model Number : GOTT-GearBox-07

GENERAL SPECIFICATIONS

Automatic transmission gear box, front wheel drive with 3 speeds forward and 1 speed reverse, fixed on a movable stand with 4 wheels, 3 inches diameter and painted. The training is to disassemble and reassemble the automatic transmission.

The accessories are following :

- Selected pattern switch.
- Overdrive switch with gear lever.
- Cooling system for gear oil by water.
- Torque converter.
- Drive shaft with oil seal.

Manuals :

(1) All manuals are written in English
(2) Model Answer
(3) Teaching Manuals

General Terms :

(1) Accessories will be provided where applicable.
(2) Manual & Training will be provided where applicable.
(3) Design & specifications are subject to change without notice.
(4) We reserve the right to discontinue the manufacturing of any product.

Warranty :

2 Years

ORDERING INFORMATION :

ITEM	MODEL NUMBER	CODE
AUTO TRANSMISSION GEAR BOX WITH STAND	GOTT-GearBox-07	955-731

*Proposed design only, subject to changes without any notice.